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997022

16 February 1965

MEMORANDUM FOR THE RECORD

SUBJECT: Production Models of the Variable  
Magnification Tracing Projectors

1. On 11 February I discussed specifications for production models of the Tracing Projector with [REDACTED] Bausch and Lomb, Inc..

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2. Several changes will definitely be made on the instrument. These are:

a. Change the marking system for identifying the lens settings by using the letters H, M, and L for high, medium and low magnification. An information plate will be attached indicating the range of magnification at each setting.

b. Install a simple locking device on the vertical shaft that supports the condenser assembly to positively hold the condenser in position after focusing.

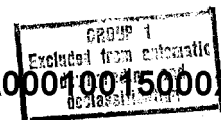
c. Improve the film hold-down platen mechanism to provide a positive lock position with an easy release capability.

d. Design a system for holding  $9\frac{1}{2}$ " film reels that will provide easy horizontal movement of the reel arms and permit rapid positioning of the major portion of the  $9\frac{1}{2}$ " film width.

3. Bausch & Lomb is investigating the possibility of substituting a higher power lens (up to 30x) in place of the lowest power lens now in the instrument. [REDACTED] will be in town sometime during

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the week of February 21 and will test a 2" lens in the Projector. If this lens proves to be satisfactory, it may be possible to modify the turret to accommodate the short focal length.

7. Quotations for production will be furnished by Bausch & Lomb as soon as a decision is reached on the higher power lens.

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Development Branch, P&DS

